

# Work Order ID 82967

\*82967\*

Page 1

Thursday, April 12, 2012 9:58:28 AM

Item ID: D4016-1 Accept \*N900040100\* Setup Start \*NS1\*  
 Revision ID: Stop \*NS2\*  
 Item Name: Hinge Half, Base  
 Start Date: 4/12/2012 Start Qty: 18.00 \*18\* Cust Item ID:  
 Required Date: 4/20/2012 Req'd Qty: 18.00 \*18\* Customer:  
 Reference:

Approvals: Process Plan:                      Date: 12-04-12 Tooling:                      Date:                      Run Start \*NR1\*  
 QC:                      Date:                      SPC (Y/N):                      Date:                      Stop \*NR2\*

| Sequence ID/<br>Work Center ID | Operation<br>Description | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| Draw Nbr                       | Revision Nbr             |                      |         |        |              |               |               |                  |                |
| D4016                          | A                        |                      |         |        |              |               |               |                  |                |

100 Cut blanks as per folio 0.00  
 \*100\*  
 Bandsaw Memo 0.00 OK 12/04/12 11 0  
 Jeaspa Bandsaw CUT BLANK 1.00" LONG

110 0.00  
 \*110\*  
 HAAS I Memo 0.00 OK 12/04/12 11 0  
 HAAS CNC vertical machine #1 MACHINE AS PER FOLIO FA869 AND DWG  
 FOLIO REV: AB  
 DWG REV: A  
 DEBURR

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

**Work Order ID 82967****\*82967\***

Page 2

Thursday, April 12, 2012 9:58:28 AM

Item ID: D4016-1      Accept      \*N900040100\*      Setup Start \*NS1\*  
Revision ID:      Stop \*NS2\*  
Item Name: Hinge Half, Base  
Start Date: 4/12/2012      Start Qty: 18.00      \*18\*      Cust Item ID:  
Required Date: 4/20/2012      Req'd Qty: 18.00      \*18\*      Customer:  
Reference:

Approvals:      Process Plan:      Date:      Tooling:      Date:      Run Start \*NR1\*  
QC:      Date:      SPC (Y/N):      Date:      Stop \*NR2\*

| Sequence ID/<br>Work Center ID         | Operation<br>Description                                    | Set Up/<br>Run Hours | Tool ID | Tool #      | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
|--|---|----------------------|---------|-------------|--------------|---------------|---------------|------------------|----------------|
| 120<br>*120*<br>QC<br>Quality Control  | QC2- Inspect parts off machine FAI/FAIB<br><br>Memo         | 0.00<br>0.00         |         | mk 12/04/24 |              | 11            | 0             |                  |                |
| 130<br>*130*<br>QC<br>Quality Control  | QC8- Inspect parts - second check<br><br>Memo               | 0.00<br>0.00         |         | JL 12/04/25 |              | 11            |               |                  |                |
| 160<br>*160*<br>Packaging<br>Packaging | Identify as per dwg & Stock Location: <u>WA</u><br><br>Memo | 0.00<br>0.00         |         |             |              | 11x           |               |                  | SP<br>12-04-25 |

# Dart Aerospace Ltd

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
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|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

**\*82967\***

Thursday, April 12, 2012 9:58:28 AM

**\*N900040100\***

**Setup Start \*NS1\***

Stop **\*NS2\***

**\*18\***

**Cust Item ID:**

**\*18\***

**Customer:**

**Reference:**

Run Start \*NR1\*

Stop \*NR2\*

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

**Insp.  
Stamp**

0.00

**\*170\***

QC

## Memo

0.00

## Quality Control

12-04-25

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
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|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

# Picklist Print

Thursday, April 12, 2012 9:58:33 AM

Page 1

Work Order ID: 82967

\*82967\*

Parent Item: D4016-1

\*D4016-1\*

Parent Item Name: Hinge Half, Base

Start Date: 4/12/2012

Required Date: 4/20/2012

Start Qty: 18.00

Required Qty: 18.00

Comments: IPP REV:A NEW ISSUE 09-11-27 JLM VERIFIED BY :DD IPP Rev:B  
as per dwg REV.A DD 10.02.22 verified by:EC

| Component Item ID/<br>Item Name | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand | Qty per Kit | Total<br>Qty | Qty<br>Issued | Date<br>Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|

M304B1.000X1.000

Purchased

No

100

f

5.4946

0.08

1.44

\*M304B1 000X1 000\*

\*\*

304 bar 1.00 x 1.00

Location

Loc Qty

Loc Code

MAT050

5.4946

113290

1.047

117130

0.7316

118844

3.716

288

ml 12/04/19

**Dart Aerospace Ltd**

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

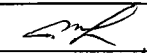
**NOTE:** Date & initial all entries





|  |  |                     |         |
|--|--|---------------------|---------|
| <b>DART AEROSPACE LTD</b>                  |  | <b>Work Order:</b>  | 8267    |
| <b>Description:</b> Hinge Half, Base       |  | <b>Part Number:</b> | D4016-1 |
| <b>Inspection Dwg:</b> D4016 <b>Rev:</b> A |  | <b>Page 1 of 1</b>  |         |

### FIRST ARTICLE INSPECTION CHECKLIST

| Drawing Dimension | Tolerance     | Actual Dimension | Accept                              | Reject | Method of Inspection | Comments |
|-------------------|---------------|------------------|-------------------------------------|--------|----------------------|----------|
| 0.875             | +/-0.010      | .872             | <input checked="" type="checkbox"/> |        | ML-DL                |          |
| 0.25              | +/-0.030      | .240             | <input checked="" type="checkbox"/> |        |                      |          |
| 0.38              | +0.030/-0.000 | .390             | <input checked="" type="checkbox"/> |        |                      |          |
| R0.03             | +/-0.030      | R.030            | <input checked="" type="checkbox"/> |        |                      |          |
| 0.13              | +/-0.030      | .125             | <input checked="" type="checkbox"/> |        |                      |          |
| 0.88              | +/-0.030      | .875             | <input checked="" type="checkbox"/> |        |                      |          |
| Ø0.257            | +0.006/-0.001 | Ø.258            | <input checked="" type="checkbox"/> |        |                      |          |
| R0.38             | +/-0.030      | R.380            | <input checked="" type="checkbox"/> |        |                      |          |
| 0.500             | +/-0.030      | .502             | <input checked="" type="checkbox"/> |        |                      |          |
| 0.75              | +/-0.030      | .750             | <input checked="" type="checkbox"/> |        |                      |          |
|                   |               |                  |                                     |        |                      |          |
|                   |               |                  |                                     |        |                      |          |
|                   |               |                  |                                     |        |                      |          |
|                   |               |                  |                                     |        |                      |          |
|                   |               |                  |                                     |        |                      |          |
|                   |               |                  |                                     |        |                      |          |
|                   |               |                  |                                     |        |                      |          |
|                   |               |                  |                                     |        |                      |          |
|                   |               |                  |                                     |        |                      |          |
|                   |               |                  |                                     |        |                      |          |
|                   |               |                  |                                     |        |                      |          |
|                   |               |                  |                                     |        |                      |          |
|                   |               |                  |                                     |        |                      |          |

|                     |   |                    |          |                              |  |
|---------------------|---|--------------------|----------|------------------------------|--|
| <b>Measured by:</b> |  | <b>Audited by:</b> | JL       | <b>Preliminary Approval:</b> |  |
| <b>Date:</b>        | 12/04/24  | <b>Date:</b>       | 12/04/25 | <b>Date:</b>                 |  |

| Rev | Date     | Change    | Revised by   | Approved  |
|-----|----------|-----------|--|---|
| A   | 10.06.07 | New Issue | KJ  |  |

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

2012-04-12



RELEASED  
2010-02-16  
mD

|            |           |  |              |
|------------|-----------|--|--------------|
| A          | NEW ISSUE | JPH  | 10.01.29     |
| REV.       |           | DESCRIPTION  | BY DATE      |
| DESIGN     | AJS       | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA<br><br>DRAWING NO.<br><b>D4016</b><br><br>TITLE<br><b>BASKET HINGE</b><br><br>COPYRIGHT © 2010 BY DART AEROSPACE LTD<br>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD | REV. A       |
| DRAWN      | AJS       |  | SHEET 1 OF 2 |
| CHECKED    | GO        |  |              |
| MFG. APPR. | BS        |  |              |
| APPROVED   | NO        |  | SCALE        |
| DE APPR.   | HT        |  | NTS          |
| DATE       | 10.01.29  |  |              |

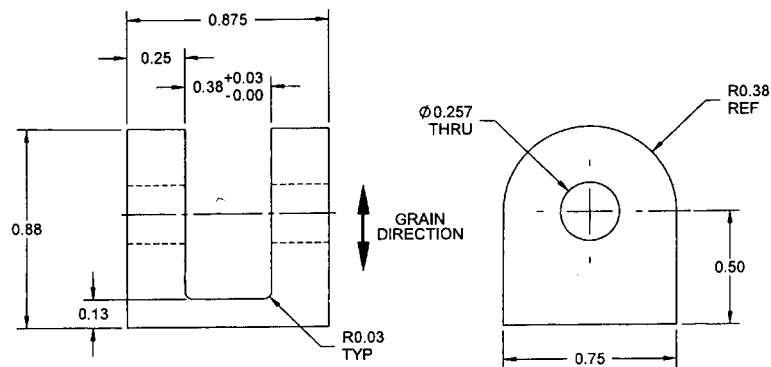
**Dart Aerospace Ltd**

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

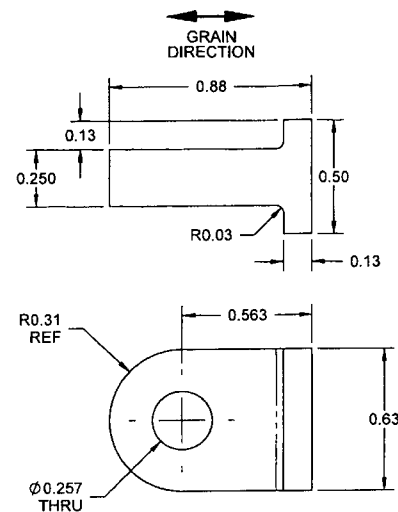
**Part No:** \_\_\_\_\_ **PAR #:** \_\_\_\_\_ **Fault Category:** \_\_\_\_\_ **NCR:** Yes No **DQA:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Resolution:** \_\_\_\_\_ **Disposition:** \_\_\_\_\_ **QA: N/C Closed:** \_\_\_\_\_ **Date:** \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
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|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries



**D4016-1 HINGE HALF, BASE**



**D4016-3 HINGE HALF, LID**

**D4016-5 HINGE HALF, LIGHT LID**

**NOTES:**

1) MATERIAL -1 & -3: 304/316 STAINLESS STEEL BAR, PER ASTM A276  
REF DART SPEC M304B

-5: 6061-T6/T651/T6511/T62 ALUMINUM BAR,  
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS4117/4128/4115/4116)  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
OR ASTM B211 OR ASTM B221  
REF DART SPEC M6061T6B

2) FINISH: NONE

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX

6) IDENTIFICATION: NONE

7) WEIGHT -1: 0.09 lbs

-3: 0.04 lbs

-5: 0.01 lbs

**RELEASED**  
2010-02-16  
MP

|            |          |  |              |
|------------|----------|--|--------------|
| DESIGN     | AJS      | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA   |              |
| DRAWN      | AJS      |  |              |
| CHECKED    | AS       | DRAWING NO.  | REV. A       |
| MFG. APPR. | AS       | D4016  | SHEET 2 OF 2 |
| APPROVED   | MP       | TITLE  | SCALE        |
| DE APPR.   | MP       | BASKET HINGE   | NTS          |
| DATE       | 10.01.29 | COPYRIGHT © 2010 BY DART AEROSPACE LTD<br>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS<br>NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT<br>WRITTEN PERMISSION FROM DART AEROSPACE LTD. |              |

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
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|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
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|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries